

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PH-21656-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/000536	International filing date (<i>day/month/year</i>) 13 MARCH 2004 (13.03.2004)	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant POSTECH FOUNDATION et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (See Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

- b. ☐ none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000536

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 C07D 487/22**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

ICP7 C07D 487/22, C07D 487/04, C07D 254/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN, PUBMED, DELPHION, KISTI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0068232 A1 (UNISEARCH LIMITED) 16 NOVEMBER 2000 (16.11.2000) SEE ENTIRE DOCUMENT	1-13
Y	WO 03055888 A1 (POSTECH FOUNDATION) 10 JULY 2003 (10.07.2003) SEE ENTIRE DOCUMENT	1-13
Y	WO 03004500A1 (POSTECH FOUNDATION) 16 JANUARY 2003 (16.01.2003) SEE ENTIRE DOCUMENT	3, 5-7
A	US 61365734 B1 (POSTECH FOUNDATION) 02 APRIL 2002 (02.04.2002) SEE ENTIRE DOCUMENT	1-13
E, X	KR 04069814 A (POSTECH FOUNDATION) 06 AUGUST 2004 (06.08.2004) SEE ENTIRE DOCUMENT	1-13

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 DECEMBER 2004 (27.12.2004)

Date of mailing of the international search report

28 DECEMBER 2004 (28.12.2004)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/000536

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0068232 A1	16.11.2000	US 20030140787 A1	31.07.2003
		US 6793839	21.09.2004
		JP 2002544133 T2	24.12.2002
		EP 1181293 A4	11.06.2003
		EP 1181293 A1	27.02.2002
		CN 1355803 T	26.06.2002
		CA 2373159 AA	16.11.2000
		AU 0043851 A5	21.11.2000
		AU 0023299 A0	03.06.1999
WO 03055888 A1	10.07.2003	KR 3060053 A	12.07.2003
		EP 1463732 A1	06.10.2004
		CA 2468801 AA	10.07.2003
WO 03004500 A1	16.01.2003	US 20030212268 A1	13.11.2003
		KR 3003901 A	14.01.2003
		JP 2004521949 T2	22.07.2004
		EP 1406905 A1	14.04.2004
US 61365734 B1	02.04.2002	US 20040039195 A1	26.02.2004
		US 20020133003 A1	19.09.2002
		US 6639069	28.10.2003
		US 6365734 B1	02.04.2002
		KR 1039662 A	15.05.2001
		JP 2001122877 A2	08.05.2001
		JP 03432483 B2	04.08.2003
		EP 1094065 B1	17.12.2003
		EP 1094065 A2	25.04.2001
KR 04069814 A	06.08.2004	DE 60007257 T2	16.09.2004
		* NONE	